

ABSTRACT

An internal combustion engine is presented, in which the valves (11) are adapted to be actuated by a valve actuation arrangement (12), the valve actuation arrangement
5 (12) comprising actuation adjustment mechanisms (17), adapted to assume a first position whereby the valves can be actuated according to a first valve lift mode, and to assume a second position whereby the valves can be actuated according to a second valve lift mode. Further, the position the actuation adjustment mechanisms (17) at a first set of cylinders is controllable through a first mechanism control
10 system (22), and the position of the actuation adjustment mechanisms (17) at a second set of cylinders is controllable through a second mechanism control system (23), whereby the first set of cylinders consists of cylinders which are consecutive in a firing sequence, during operation of the engine according to at least one engine operation mode.

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